

**SRI SANKARA ARTS & SCIENCE COLLEGE**

**ENATHUR, KANCHIPURAM**

**STAFF PROFILE**

**DEPARTMENT OF BIOTECHNOLOGY**



<b>1.</b>	<b>Name of the Staff</b>	Dr.B.Ramesh, Ph.D., FLS.,
<b>2.</b>	<b>Designation</b>	Professor & Head
<b>3.</b>	<b>Date of Joining</b>	26/06/2001
<b>4.</b>	<b>Mobile Number</b>	9787088802
<b>5.</b>	<b>E-Mail ID</b>	ramesh@sankaracollege.edu.in; brbioinfo@gmail.com
<b>6.</b>	<b>Nationality</b>	Indian
<b>7.</b>	<b>Academic Qualification</b>	M.Sc., M.Phil., Ph.D., PGDBI, PGDIPL., NET
<b>8.</b>	<b>Field of Specialization</b>	Microbial Biotechnology, Bioinformatics, Computer Aided Drug Design.
<b>9.</b>	<b>Ph.D Thesis Title</b>	Biotechnology - Isolation and characterization of Biosurfactant from soil micro-flora: Evaluation of the efficacy in irrigation water conservation
	<b>Awarding University, Year of Award.</b>	University of Madras, April, 2012.

### 10. Work Experience (in chronological order):

S. No	Name of the Institutions	Positions held	Temporary/ Permanent	Teaching		Duration	
				UG	PG	From	To
1.	Dept. of Biotechnology Sri Sankara Arts & Science College, Kanchipuram	Professor & Head	Permanent	UG	PG	06/10/2012	Till date
2.	Dept. of Biotechnology Sri Sankara Arts & Science College, Kanchipuram	Associate Professor & Head	Permanent	UG	PG	01/07/2011	05/10/2012
3.	Dept. of Biotechnology Sri Sankara Arts & Science College, Kanchipuram	Assistant Professor & Head	Permanent	UG	PG	01/06/2006	30/06/2011
4.	Dept. of Microbiology Sri Sankara Arts & Science College, Kanchipuram	Assistant Professor	Temporary	UG	PG	16/07/2001	30/05/2006
<b>Total Teaching Experience</b>						<b>16/07/2001</b>	<b>Till date</b>

### 11. Other Academic and Administrative Responsibilities:

S. No	Positions held	Name of the Institutions	Duration	
			From	To
1.	Dean (Academics)	Sri Sankara Arts & Science College	1/07/2015	Till date
2.	Member, Governing Body	Sri Sankara Arts & Science College	12/10/2015	Till date
3.	Member Secretary, Academic Council	Sri Sankara Arts & Science College	12/10/2015	Till date
4.	Head of the Department	Dept. of Biotechnology Sri Sankara Arts & Science College	01/06/2006	Till Date
5.	Deputy Warden	Sri Sankara Arts & Science College – Gents Hostel	2003	2004
6.	Web Administrator	Sri Sankara Arts & Science College	2005	2014
7.	Management Representative	ISO Internal Committee	2009	Till date
8.	Coordinator	IQAC - Sri Sankara Arts & Science College	2012	2014

## 12. Publications:

### International:

1. Manickam Ramesh, Kuppuswamy Kavitha, Arumugam Rajalakshmi, Elamaran Anjukam, Vadivel Prabakaran, Mani Prakash, Rengarajulu Puvanakrishnan, **Balasubramanian Ramesh**. 2022. 4a-methyl-dodecahydro-1H-pyrrolo[3,4-b]quinoline-6-one produced by endophytic fungi *Aspergillus niger* E12 obtained from *Dodonaea viscosa* plant leaves as a novel antibacterial compound. *Applied Biochemistry and Biotechnology*. (Online ahead of print).
2. Arumugam Rajalakshmi, Elamaran Anjukam, Manickam Ramesh, Kuppuswamy Kavitha, Rengarajulu Puvanakrishnan, **Balasubramanian Ramesh**. 2022. A novel colorimetric technique for estimating iron in magnetosomes of magnetotactic bacteria based on linear regression. *Archives of Microbiology*. 204:282. **Impact Factor – 2.667**
3. Arumugam Rajalakshmi, Manickam Ramesh, Ellappan Divya, Kuppuswamy Kavitha, Rengarajulu Puvanakrishnan, **Balasubramanian Ramesh**. 2021. Production and characterization of naturally occurring antibacterial magnetite nanoparticles from magnetotactic *Bacillus* sp. MTB17. *J Appl Microbiol*. 00:1–11. **Impact Factor – 3.772**.
4. S.Bharathi, **B.Ramesh**, S.Kumaran, M.Radhakrishnan, D.Saravanan, P.Saravanan, S.R.Pugazhvendan and M.S.Nalinasundar 2021. Development of nano biomaterial for wound healing based on silver nano particles loaded on chitosan hydrogel. *3 Biotech Springer link* (12):490 **Impact Factor – 2.406**
5. Gopal Suresh, Balamuralikrishnan Balasubramanian, Nagaiya Ravichandran, **Balasubramanian Ramesh**, Hesam Kamyab, Palanivel Velmurugan, Ganesan Vijaiyan Siva and Arumugam Veera Ravi. 2021 Bioremediation of hexavalent chromium-contaminated wastewater by *Bacillus thuringiensis* and *Staphylococcus capitis* isolated from tannery sediment *Biomass Conversion and Biorefinery* **volume 11**, pages 383–391. **Impact Factor – 4.987**
6. C. Deepa , G. Suresh , P. Devagi , A. Kowsalya , K. Kavitha , **B. Ramesh** 2021. Evaluation of the antibacterial activity of silver nanoparticles, doxycycline, collagen and their amalgamation – An *in vitro* study. *Materials Today: Proceedings* volume 43 part 5 3050-3053. **Impact Factor – 0.97**.
7. T. Chitrikha Suresh , T.V. Poonguzhali , V. Anuradha , **B. Ramesh** , G. Suresh .2021. Aqueous extract of *Turbinaria conoides* (J. Agardh) Kützing mediated fabrication of silver nanoparticles used against bacteria associated with diabetic foot ulcer. *Materials Today: Proceedings*. volume 43 part 5 3038-3043 **Impact Factor – 0.97**.
8. Kuppusamy Kavitha, Subramaniam Sivakumar and **Balasubramanian Ramesh**, 2020. 1,2,4 triazolo[1,5-a] pyrimidin-7-ones as novel SARS-CoV-2 Main protease inhibitors: In silico screening and molecular dynamics simulation of potential COVID-19 drug candidates. *Biophysical Chemistry* Volume 267, 106478. **Impact Factor - 1.995**.
9. **Balasubramanian Ramesh**, Govindababu Kavitha Sendurpandi Gokiladevi Rajagopal K. Balachandar, Kuppuswamy Kavitha. 2020. Effect of Extremely Low Power Time-Varying Electromagnetic Field on Germination and Other Characteristics in Foxtail Millet (*Setaria italica*) Seeds. *Bioelectromagnetics* 00:1--14 (2020). **Impact Factor – 2.278**.
10. V.Guruchandran and **B.Ramesh** 2020. Effect of copper sulphate on *in vitro* shoot regeneration from shoot tip explant of *Stevia rebaudiana* bert. *Plant Archives* Vol. 20 Supplement 1, 2020 pp. 702-704.

11. S. Balamurugan, B.Ramesh, K.Kavitha and V.Guruchandran, 2019. Design of novel microbial fuel cell and effect of humic acid on bioelectricity generation. *Asian Jr. of Microbiol. Biotech. Env. Sc.* 21(1): S269-S271.
12. S.Bharathi,S.Kumaran,G.Suresh,B.Ramesh and Nalina sundari.2018. Phytosynthesis of silver nano particles using *Hygrophila auriculata* leaf extract and assessment of their antibacterial and antioxidant properties. *International journal of Applied Pharmaceutics.* 10(6)12-118.
13. Subramaniam Sivakumar, Anitha, **Balsubramanian Ramesh** and Gopal Suresh, 2017. Analysis of EAWAG-BBD pathway prediction system for the identification of malathion degrading microbes. *Bioinformation* 13(3): 73-77.
14. Kavitha, Kuppuswamy; Suganya, Arumugam; Rani, Kuppusamy Umaa; **Ramesh, Balasubramaniyan**, 2017. Screening and Partial Purification of Hydroxamate Type Siderophore from *Pseudomonas sp.* *Int. J. Curr. Microbiol. App. Sci.* 6(9); 2380-2385.
15. Priyadharshini, S. R. E., Ramalingam, C., and **Ramesh, B.**, 2016. Superintendence of antimicrobial resistance observed in bacterial flora isolated from human faecal carriage in Vellore, India. **Saudi Journal of Biological Sciences**. Doi:10.1016/j.sjbs.2015.11.008
16. S. Esther Priyadharshini, C. Ramalingam and **B. Ramesh**, 2014. Designing a novel  $\beta$ -lactamase inhibitor by using QSAR and docking studies. *Internatinoal Journal of Pharamacy and Pharamceutical Sciences*. In Press. ISSN- 0975 – 1491. **Impact Factor - 1.59.**
17. Gopal Suresh , Poosali Hariharan Gunasekar, Dhanasegaran Kokila , Durai Prabhu, Devadoss Dinesh , Nagaiya Ravichandran , **Balasubramanian Ramesh**, Arunagirinathan Koodalingam , Ganesan Vijaiyan Siva, 2014. Green synthesis of silver nanoparticles using *Delphinium denudatum* root extract exhibits antibacterial and mosquito larvicidal activities. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy.* 127: 61-66. ISSN: 1386-1425. **Impact Factor: 2.00**
18. Ravichandran N, Suresh G, **Ramesh B**, Manikandan R, Choi YW and Vijaiyan Siva G., 2014. Fisetin modulates mitochondrial enzymes and apoptotic signals in benzo(a)pyrene-induced lung cancer. *Molecular and cellular Biochemistry*. Springerlink Epub ahead of print. PMID:24496750. ISSN: 0300-8177. . **Impact Factor: 2.329.**
19. M. Pratheeba, K. Umaa rani, and **B. Ramesh**, 2014. Studies on antimicrobial and anticancer activity of *solanum trilobatum*. *Asian Journal of Pharmaceutical and Clinical Research.* Vol 7, Suppl 1. 15 - 21. ISSN: 0974-2441. **Impact Factor: 0.700.**
20. M.Pratheeba, G.Rajalakshmi and **B.Ramesh**, 2013. Hepatoprotective and antibacterial activity of leaf extract of *solanum trilobatum*. *International Journal of Pharmaceutical Research and Bioscience.* 2(4): 17-28. ISSN: 2277-8713. Indexed. **Impact Factor: 0.525.**
21. **Balasubramanian Ramesh**, 2013. Assessment of Antimicrobial peptides from mucus of fish. *International Journal of Current Biotechnology.* 1(1): 5-8. ISSN: 2321 – 8371. Indexed. **IC Value: 4.74.**
22. S.Harikumar, **B.Ramesh**, U.Rajesh kumar and G. Ruthra moorthy, 2013. Biomaterials for tissue engineering applications – a review. *International journal of medicine and pharmaceutical sciences.* 3(2): 21-24. ISSN 2250-0049. indexed. **Impact Factor: 2.897.**
23. C.Vijayameena, G.Subhashini, M.Loganayagi and **B.Ramesh**, 2013. Phytochemical screening for

bioactive compounds and assessment of antibacterial activity of *Annona muricata*. International Journal of Current Microbiology and Applied Sciences. 2(1): 1- 6. ISSN:2319-7692. Indexed.Impact Factor: 0.32.

24. S.Harikumar and B.Ramesh, 2012. Direct transesterification of *Nitzschia subtilis* triglycerides for Biodiesel production: optimization studies. Biotechnology Research Bulletin. 1(2): 001-009. ISSN: 2319 – 1600. Indexed.
25. 23.Balasubramanian Ramesh, Gopalakrishnan Suresh, Nagaiya Ravichandran and Ganesan Vijaiyansiva, 2011. Screening and isolation of potent biosurfactant producing *Bacillus subtilis* CS14 from contaminated soil samples of Kanchipuram, India. Journal of Research in Biology, 2: 140 -147. ISSN:2231 –6280, Indexed. IC Value: 5.09.
26. Nagaiya Ravichandran, Gopalakrishnan Suresh, Balasubramanian Ramesh and Ganesan Vijaiyan Siva, 2011. Fisetin, a novel flavonol attenuates benzo(a)pyrene-induced lung carcinogenesis in Swiss albino mice. Food and Chemical Toxicology, 49: 1141-1147. ISSN:0278-6915, Impact Factor : 3.215, Hindex: 79.
27. Gopalakrishnan Suresh, Nagaiya Ravichandran, Balasubramanian Ramesh, Arumugam Suresh and Ganesan Vijaiyan Siva, 2011. Isolation and Characterization of Chromium-Tolerant Bacteria from Chromium-Containing Waste Water. Bioremediation, Biodiversity and Bioavailability. 5(1): 22-27. ISSN 1749-0596, Indexed.
28. B.Ramesh, V.Prabakaran, K.Kavitha, G.Suresh, N.Ravichandran and G.Vijaiyansiva, 2010. Antimicrobial peptide from *Euphyctis Hexadactylus* and its Efficacy against Plant Pathogens. International Journal of Current Research. 6: 14-17. ISSN: 0975-833X. Indexed.
29. B.Ramesh, K.Kavitha, G.Suresh, B.Usharani, N.Ravichandran and G.Vijaiyansiva, 2010. Studies on distribution of biosurfactant producing bacteria in contaminated and undisturbed soils of Kanchipuram. Australian Journal of Basic and Applied Sciences. 4(9): 4429-4434. ISSN 1991-8178.Hindex:10.
30. S.Sivakumar, B.Ramesh, K.Kavitha, V.Gopalakrishnan and V. Kanniyappan, 2010. Bitter Gourd (*Momordica charantia*) Peroxidase in decolorization of Dyes from Tannery Effluent. Recent Research in Science and Technology. 2(2): 49-53. ISSN: 2076-5061. Indexed.
31. G.Suresh, B.Ramesh, K.Kavitha, N.Ravichandran, A.Suresh, V.Gopalakrishnan and G. Vijaiyan Siva, 2010. Preliminary screening of antibacterial compounds from Palar river basin flora. Journal of Phytology. 2(2):24-29. ISSN: 2075-6240, Indexed.
32. M.Srikumar and B.Ramesh, 2008. Direct Transesterification of *Nelumbo Nucifera* triglycerides for Biodiesel Production: Optimization Studies. International Seminar on Sustainable Utilization of Tropical Plant Biomass. 1: 135-139.

#### **National:**

1. HemachandranVinothini and **Balasubramanian Ramesh**, 2017. Identification of Novel Inhibitor against UL42 Drug Target of Herpes SimplexVirus using Molecular Docking Studies. Microbiology news letter, 7(1):04-08. 2231-136X, Indexed.
2. Shanmugam Sabarinathan and **Balasubramanian Ramesh**, 2017. Identification of Potential Drug

- Target by *Bacillus subtilis* Using QSAR Studies. Microbiology news letter, 7(1):09-15. 2231-136X, Indexed.
3. Gandhi Dhivya and **Balasubramanian Ramesh**, 2017 Docking Studies for Inhibiting Influenza Virus from Neem (*Azadirachta Indica*) along with Standard Drug Chemicals. Microbiology news letter, 7(1):23-28. 2231-136X, Indexed.
  4. V.Guruchandran, **B.Ramesh**, R.Velmurugan, C.Vijayameena and M.Janani, 2012. Cellulase production by *Aspergillus fumigates* in sawdust and bagasse. Microbiology news letter, 2 (2): 3-5. 2231-136X, Indexed.
  5. C.Vijayameena, V.Guruchandran, M.Janani, K.Kavitha and **B.Ramesh**, 2012. Effect of Random mutagenesis on enhanced synthesis L-Asparaginase by *Fusarium solani*. Microbiology news letter, 2 (2): 6-10. 2231-136X, Indexed.
  6. Gopal Suresh, Nagaiya Ravichandran, **Balasubramanian Ramesh**, Kuppusamy Kavitha, Ganesan Vijaiyan Siva, 2012. Evaluation of Cr(VI)-Reduction Potential of Indigenous *Bacillus megaterium* S19 Isolated from Cr(VI) Polluted Industrial Landfill. Bhamathi Microbiology news letter, 2 (1): 3-11. 2231-136X, Indexed.
  7. Kuppusamy Kavitha and **Balasubramanian Ramesh**, 2012. Chitosan –A Wonder Material for Biomedical and Other Industrial Applications. Bhamathi Microbiology news letter, 2 (1): 18-23. 2231-136X, Indexed.
  8. **B.Ramesh**, G.Suresh, N.Ravichandran and G.Vijaiyan Siva, 2011. Microbial biosurfactant for irrigation water conservation: An emerging trend. Bhamathi Microbiology news letter, 1 (2): 11-14. ISSN: 2231-136X, Indexed.
  9. Kavitha, K. and **B.Ramesh**, 2011. Alkaliphiles and alkaline lipases: A new insight into an old enzyme. Bhamathi Microbiology news letter, 1 (2): 15-18. ISSN: 2231-136X, Indexed.

#### Book Publications:

1. Bioinformatics: Sequence Analyses and Drug Designing –Today Publications, Chennai -05, **ISBN: 9789380479187. Copyright Reg. No. L-36829/2010.**
2. Bioinformatics: Databases and Programming Languages –Today Publications, Chennai -05, **ISBN: 9789380479194. Copyright Registration – Pending. Dy.No.1554/2010-CO/L.**
3. Biological Databases and Bioinformatics Programming: A Practical Approach – Mainspringer Publishers, Kanchipuram – 631501. **ISBN: 9788192815749.**
4. Biological Sequence Analyses and Computer Aided Drug Designing - Mainspringer Publishers, Kanchipuram – 631501. **ISBN: 9788192815756.**

#### 13. Awards / Distinction:

S.No.	Name of the Award	Venue	Period
1.	Elected as <b>Fellow of the Linnean Society</b> of London.	Linnean Society of London, Burlington House, Piccadilly, Mayfair, London W1J 0BF, United Kingdom.	2020
		Sri Sankara Arts & Science	

2.	Best Teacher Award – 2011	College, Kanchipuram	2011
3.	One among few members Trained in Capacity building on Coastal Biodiversity (East Coast) during - 2002	Ministry of Environment & Forests, Govt. of India	2002
4.	9 <sup>th</sup> Rank in M.Sc Biotechnology - 1999	University of Madras	1999

#### 14. Membership in Professional Bodies:

S No.	Organization	Position	Duration
1.	ENVIS Database of University of Madras	Microbiology Expert	Life time
2.	<b>International Journal of Current Microbiology and Applied Sciences</b>	Editorial Advisor	2012-Till Date
3.	Bhamathi Microbiology Newsletter published by “Vigyan Prathiba” – Association of Microbiologists.	Associate Editor	2010-Till Date

#### 15. Seminars Conferences organized /Participation:

S.No.	Program Attended	Place	Organized/ Participated	Period
1	International conference on “Research, Innovations and Entrepreneurial Venues - An Outlook” (ICAB - 2022)	PG Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav college (Autonomous), Chennai	Participated	19 <sup>th</sup> -20 <sup>th</sup> October, 2022
2	National Science Academies Lecture Workshop on Biotechnology-Principles and Practice  [Sponsored and supported by Indian Academy of Sciences (IASc)-Bengaluru, Indian National Science Academy (INSA)-New Delhi, The National Academy of Sciences, India (NASI)-Prayagraj]	Department of Biotechnology, Sri Sankara Arts and Science College (Autonomous) Enathur, Kanchipuram	Organized	10 <sup>th</sup> -11 <sup>th</sup> August, 2022
3	National level conference on “Applications of Computational Biology in Omics”	Department of Biotechnology, Sri Sankara Arts and Science College (Autonomous) Enathur, Kanchipuram	Convener	11 <sup>th</sup> and 12 <sup>th</sup> October 2018
4	National level workshop on “Latest Technologies for Specially Abled Persons “	Sri Sankara Arts & Science College	Convener	FEB-28, 2017.
5	International Conference on “Recent Advances in Bioresource Technology – RABT 2017”	Thiruvalluvar University, Vellore.	Participated	15th-17th February, 2017

<b>6</b>	14th IAAM National Conference on “Transitional and Translational Scenarios in Biological Science”	Department of Microbiology, Dr.NGP Arts and Science College, Coimbatore	Participated	9th -10th September, 2016.
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**International:**

<b>Sl. No.</b>	<b>Name of the event</b>	<b>Place/dates</b>	<b>Title of paper presented</b>
1	International Conference on “Green Energy & Green Environment	Nadar Saraswathi College of Arts & Science, Theni – 21/01/2015	Attended
2	International Conference on Recent Trends in Life Sciences “Biomic-13”	Auxilium College, Vellore – 362 006 12-13/12/2013	Attended

**National:**

<b>Sl. No.</b>	<b>Name of the event</b>	<b>Place/dates</b>	<b>Title of paper presented</b>
1	National Symposium on Current Advances in Immunology Research	Annamalai University 7-8/08/2015	Attended
2	National Seminar on Emerging Trends in Medical and Environmental Biotechnology	Kanchi Shri Krishna College of Arts & Science, Kanchipuram. 06/03/2015	Attended
3	National level Seminar cum Workshop on Applications of Green Technologies for Separation of Bioproducts	Karpaga Vinayaga College of Engineering and Technology 22-23/07/2013	Attended
4	National Seminar on Recent Trends in	Kanchi Shri Krishna College of Arts & Science,	Attended



	Medical Microbiology	Kanchipuram. 03/03/2012	
5	National Conference on Recent Scenario in Biological Innovations	Hindustan College of Arts & Science, Coimbatore 3-4/02/2011	Attended
6	National Seminar on Environmental Protection and Sustainable Development.	Kanchi Shri Krishna College of Arts & Science, Kanchipuram. 18/02/2010	Presented "Studies on Distribution of Biosurfactant producing bacteria in contaminated and undisturbed soils of Kanchipuram."

**Regional:**

Sl. No.	Name of the event	Place/dates	Title of paper Presented
1	NSS Special Camp, Kanchipuram Dt.	NSS Units of Sri Sankara Arts & Science College, Kanchipuram. 15/12/2007	Delivered a lecture on "Health and HIV"
2	Seminar on "Developing Self Esteem – Keeping Safe in HIV"	Red Ribbon Club, Sri Sankara Arts & Science College, Kanchipuram. 04/10/2007	Delivered a lecture on "Health, Hygiene and HIV"
3	Seminar on Biotechnology	Rotary Club of Ambur 23/09/2006	Delivered a lecture on "Future and Scope of Biotechnology"
4	Science Talent Promotion Scheme	Dept. of Zoology, University of Madras. May-1999 - June-1999	Attended

**16. Participated as Resource Person:**

S.No.	Program	Venue	Period
1	Delivered lecture on Biomagnetism and Magnetobiology' in DST – PURSE Sponsored Two Days National Conference on RECENT TRENDS IN BIOTECHNOLOGY	University of Madras, Guindy Campus, Chennai.	23 <sup>rd</sup> & 24 <sup>th</sup> March, 2017

**17. Workshop & Training Programmes:**

S.No.	Program	Venue	Period
1	National Workshop on Metagenomics	Department of Marine Biotechnology, AMET, Kanathur, Chennai	14/02/2020
2	Microscopy and Photomicrography	Dept. of Microbiology, D.G.Vaishnav College	27/09/2011
3	Medical Transcription	Medilogistics, Chennai.	Nov-1999 to Apr-2000
4	Science Talent Promotion Scheme	Dept. of Zoology, University of Madras.	May to June 1999
5	Training in Bioinformatics	Gemeiosys Research Labs India Pvt. Ltd.	20 <sup>th</sup> to 29/04/2004
6	Programme on Identification of Flora and Fauna in Mangrove Ecosystems	Centre of Advanced Study in Marine Biology, Annamalai University.	28 <sup>th</sup> to 06/09/2002

## 18. Projects Completed:

S.No.	Name of the Projects	Period	Grant Received/Status
1	Application of Science and Technology in Rural Areas (ASTRA – 2011-12) - TNSCST	Completed during 20-25/02/2012	Rs.1,20,000
2	Antimicrobial and anticancer peptides from <i>Duttaphrynus melanostictus</i> - TNSCST	Sep, 2010 – Mar, 2011	Rs.6000
3	Screening and estimation of carcinogenic Benzo(a)Pyrene in commonly used FMCG products - TNSCST	Sep, 2011 – Mar, 2012	Rs.6000
4	Molecular characterization and secondary metabolite production of bioactive compounds by endophytic fungi isolated from sea weeds - TNSCST	Sep -2017 – Mar – 2018	Rs.10,000
5	Isolation and characterization of magnetite nanoparticles from magnetotactic bacteria and determination of its antibacterial activity	Sep -2018 Mar – 2019	Rs.7500
6	Creation of scientific awareness for farmers, self help groups and students sponsored by TNSCST	13 <sup>th</sup> to 15 <sup>th</sup> February 2019	Rs.1,15,000
7	Molecular characterisation and bioactive secondary metabolite production by endophytic fungi from plants of ethanobotanical value sponsored by TNSCST	Sep -2019 Mar – 2020	Rs.7500
8	Google cloud COVID-19 Research Credit Programme sponsored by Google	2020-21	Rs. 1,18,000

## 19. Ongoing Projects:

S.No.	Title	Funding body	Amount
1	Virtual screening for novel anti-larval compound from green sources against acetylcholinesterase of mosquito and in-vitro confirmation studies	TNSCST (Students Project Scheme-2021-2022)	Rs.7500
2	Virtual screening for novel antifungal compound from plant sources against Lanosterol 14 alpha demethylase and in vitro confirmation studies	TNSCST (Students Project Scheme-2021-2022)	Rs.7500
3	Isolation and characterization of magnetosomes from anti-corrosive magnetotactic bacteria	TNSCST (RFRS-2019-20)	Rs.3,00,000

## 20. Any other Details:

<b>ORCID ID</b>	<a href="https://orcid.org/0000-0003-0890-3178">https://orcid.org/0000-0003-0890-3178</a>
<b>SCOPUS ID</b>	36640722900 <a href="https://www.scopus.com/authid/detail.uri?authorId=36640722900">https://www.scopus.com/authid/detail.uri?authorId=36640722900</a>
<b>GOOGLE SCHOLAR</b>	<a href="https://scholar.google.com/citations?hl=en&amp;user=IH-IOYIAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IH-IOYIAAAAJ</a>
<b>VIDWAN</b>	

- University of Madras recognized **Ph.D., Supervisor** - Guideship Ref No: NO: D.2/Ph.D GUIDE Recogn./2017/1082 dated 06/07/2017.

S No.	Type of Skill	Nature of Proficiency
1	Planning and Establishing biotech laboratory	Working experience in setting up and establishing the Biotechnology Laboratory worth of 1.5 crores in Sri Sankara Arts & Science College.
2	Proficient in computers and online tools	Teaching Advanced Diploma in Bioinformatics from 2003 to till date. Guided more than <b>110 bioinformatics Projects</b>
3	Experienced in computer networking	Maintaining a network of 266 computers since 2006, in Sri Sankara Arts & Science College
4	Certified Medical Transcriptionist	Worked as Medical Transcriptionist at TransIndia Informatics, Adyar, Chennai, for 1 year 2 months.

## 21. Patents

- Provisional patent Number **202141057967** Dt. 13/12/2021: Use of Magnetotactic Bacteria as an Anti-Corrosive Agent – Dr. B.Ramesh and Ms.A.Rajalakshmi.
- TNSCST-TIFAC, DST - Application Reference No.: TN-PIC/2019/PA085 - Enhanced production of Nattokinase from *Glutamicibacter creatinolyticus* PS6 – Dr.V.Suganthi and Dr.B.Ramesh - Blood clot lysis – International patent.

Other Academic service:

S. No	Nature of Service	Institution/ University	Duration	
			From	To
1	Member Board of Studies	PG Board of Studies in Biotechnology, University of Madras.	01/10/2019	20/09/2022
		PG Board of Studies in Biotechnology, University of Madras.	1/8/2011	31/7/14
		PG Board of Studies in Biotechnology, Bharathi Women's College, Chennai	27/01/16	Till Date
		Chairman, PG Board of Studies in Biotechnology, Sri Sankara Arts & Science College, Kanchipuram.	27/11/2015	Till Date
2	Member Question Paper Setting Board	D.G.Vaishnav College, Chennai, PSG College of Arts & Science, Coimbatore, D.K.M. College for women, Vellore.	2012	Till date
3	Chairman / Member Selection Committee	Subject Expert for Selection of Assistant Professor in Microbiology, Sri Sankara Arts & Science College, Kanchipuram.	2016	-
4	Member Experts Committee	<b>Subject Expert</b> in Advisory Committee for preparation of Glossary of Biotechnology (English-Hindi) by Commission for Scientific and Technical Terminology, <b>MHRD, Government of India.</b>	05/12/2011	08/12/2011
		<b>Resource Person</b> in "In-Service Training Programme for the Secondary Grade Science Teachers" sponsored by <b>Tamilnadu State Council for Science and Technology, Govt. of Tamilnadu</b>	06/10/2004	10/10/2004
			08/10/2007	11/10/2007
			20/12/2010	24/12/2010
5	Member Academic Council	Member Secretary, Academic Council	12/10/2015	Till date